Current Status of the Claims

This listing of claims will replace all prior versions, and listing, of claims in the application:

Claims 1-15 (cancelled)

16. (currently amended) A method for conveying a sheet of paper in a paper converting machine selected from the group consisting of rewinding, winding and interfolding machines, ~~said machine comprising a conveying roller for a web or~~ for sheets, ~~said conveying roller~~ comprising:

– providing a first cylindrical shaped tubular body having interior and exterior surfaces and a plurality of radial holes arranged in substantially longitudinal rows;

– providing a second fixed cylindrical shaped tubular body arranged coaxially within said first cylindrical shaped tubular body,

~~– said first cylindrical shaped tubular body capable of rotation relative to said second fixed tubular body, and~~

– providing two spaced stationary, but slidable, sealing elements positioned between said first cylindrical tubular body and said second fixed tubular body, said two slidable sealing elements ~~being arranged~~ spaced at ~~said~~ a predetermined angle with respect to each other, said slidable sealing elements ~~and~~ extending radially from said second fixed cylindrical shaped tubular body and ~~adapted~~ comprising a fixed portion as a means for forming a longitudinal guide and a bar within said guide, wherein said bar can slide and resiliently engage ~~for slidably engaging~~ with said interior surface of said first ~~fixed~~ cylindrical shaped tubular body ~~to define at least one air suction chamber between said first and second cylindrical tubular bodies~~, said bar and said guide of said slidable sealing elements longitudinally oriented and extending for all the length of said second cylindrical tubular body ~~roller~~,

– defining by at least one opening between said second fixed tubular body ~~defining at least~~ and by said two spaced stationary sealing elements, one single air suction chamber ~~for communicating~~ that communicates with a ~~suction for communicating with a~~ suction generating system, said ~~at least one~~ suction chamber extending for all the length of the second fixed tubular body;

~~roller and suitable for being brought selectively in communication with at least one row of said radial holes during the relative rotation of said bodies,~~

~~said second fixed tubular body having at least one opening to said at least one suction chamber enabling said suction generating system to communicate with said suction chamber,~~

– rotating said first cylindrical shaped tubular body relative to said second fixed tubular body in order to bring said suction chamber in communication with a row of said radial holes during the relative rotation of said bodies, ~~said radial holes of said first tubular body adapted for suction of the~~

– capturing an end of ~~a web or a~~ said sheet ~~to capture such end for~~ by suction by said row and dragging said sheet by said first tubular body ~~a determined~~ for a rotation corresponding to said angle. ~~of rotation of said first tubular body,~~

~~said radial holes of said first tubular body extending for all the length of said roller, and~~

~~– wherein said slidable sealing elements comprise a fixed portion as means for forming a longitudinal guide and a bar within said guide, wherein said bar can slide and resiliently engage with said interior surface of said first cylindrical tubular body to form said slidable sealing elements.~~

Claims 17-27 (cancelled)

Current Status of the Claims (clean copy)

16. (currently amended) A method for conveying a sheet of paper in a paper converting machine selected from the group consisting of rewinding, winding and interfolding machines, comprising:

– providing a first cylindrical shaped tubular body having interior and exterior surfaces and a plurality of radial holes arranged in substantially longitudinal rows;

– providing a second fixed cylindrical shaped tubular body arranged coaxially within said first cylindrical shaped tubular body,

– providing two spaced stationary, but slidable, sealing elements positioned between said first cylindrical tubular body and said second fixed tubular body, said two slidable sealing elements spaced at a predetermined angle with respect to each other, said slidable sealing elements extending radially from said second fixed cylindrical shaped tubular body and comprising a fixed portion as a means for forming a longitudinal guide and a bar within said guide, wherein said bar can slide and resiliently engage with said interior surface of said first cylindrical shaped tubular body, said bar and said guide of said slidable sealing elements longitudinally oriented and extending for all the length of said second cylindrical tubular body,

– defining by at least one opening between said second fixed tubular body and by said two spaced stationary sealing elements one single air suction chamber that communicates with a suction generating system, said suction chamber extending for all the length of the second fixed tubular body;

– rotating said first cylindrical shaped tubular body relative to said second fixed tubular body in order to bring said suction chamber in communication with a row of said radial holes during the relative rotation of said bodies,

– capturing an end of said sheet by suction by said row and dragging said sheet by said first tubular body for a rotation corresponding to said angle.